

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037508.D
 Acq On : 19 Aug 2021 21:11
 Operator : SY/AP
 Sample : M3480-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-5DL

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:31:22 PM

Quant Time: Aug 20 01:22:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1426622	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4076723	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3449445	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2378175	9.70	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	283747m	1.039	ppbv	
9) Propene	3.02	41	32498m	0.332	ppbv	
13) Ethanol	3.60	45	358604	37.703	ppbv	93
15) Acetone	3.85	43	1260880	8.684	ppbv	99
17) tert-Butyl alcohol	4.31	59	47110m	0.355	ppbv	
19) Isopropyl Alcohol	3.97	45	94146	1.132	ppbv #	1
20) Methylene Chloride	4.35	84	341276	4.695	ppbv	93
26) Hexane	5.69	57	253116	1.405	ppbv #	47
31) cis-1,2-Dichloroethene	5.55	61	21699m	0.133	ppbv	
34) 2-Butanone	5.26	43	118443m	0.711	ppbv	
38) Trichloroethene	7.84	130	131055m	0.932	ppbv	
52) Tetrachloroethene	11.22	164	18901m	0.135	ppbv	
79) Naphthalene	22.20	128	44512m	0.146	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

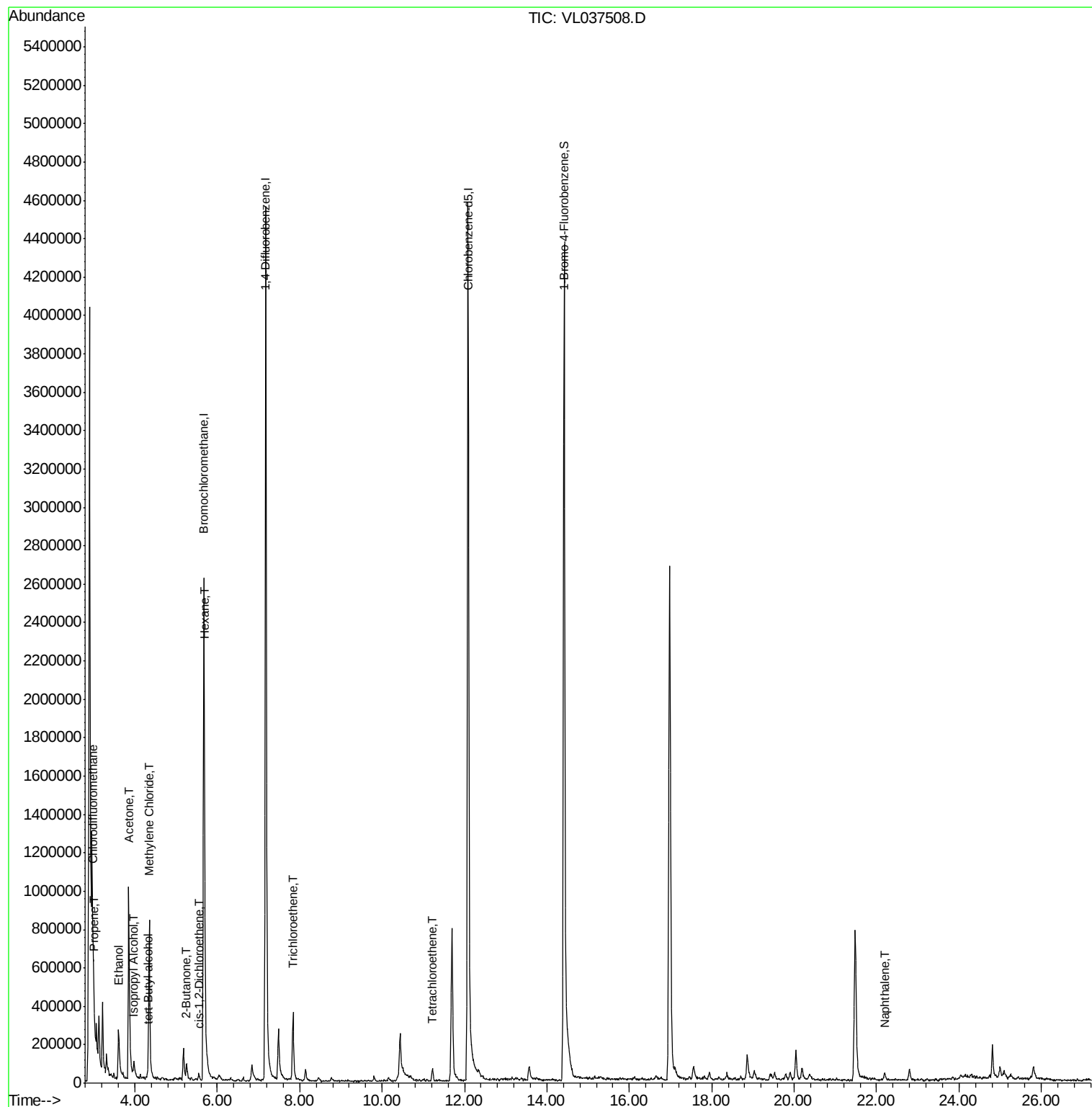
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081921\
Data File : VL037508.D
Acq On : 19 Aug 2021 21:11
Operator : SY/AP
Sample : M3480-05DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

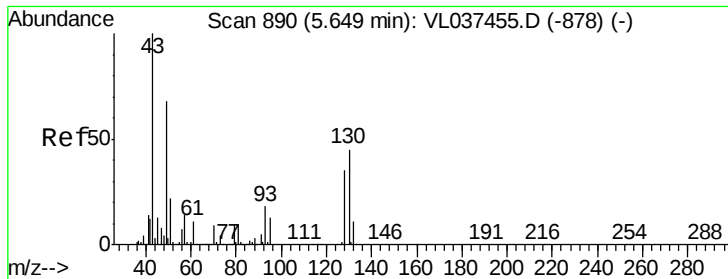
Instrument :
MSVOA_L
ClientSampleId :
SR-SG-5DL

Manual Integrations
APPROVED

MMDadoda
8/20/2021 6:31:22 PM

Quant Time: Aug 20 01:22:25 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

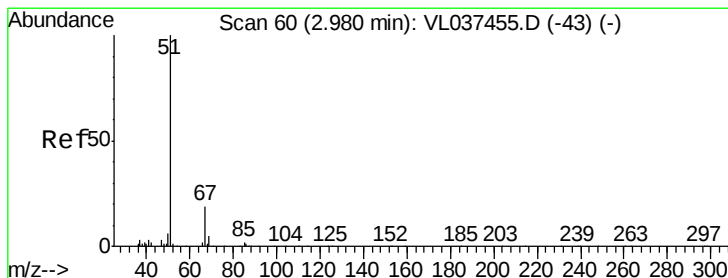
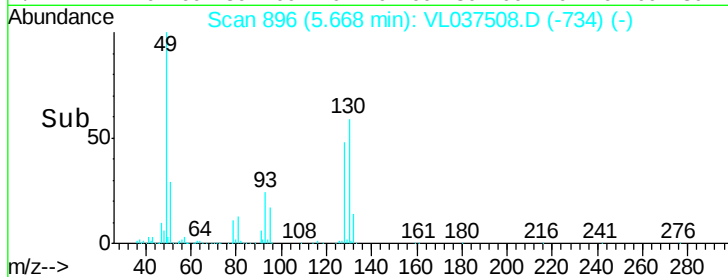
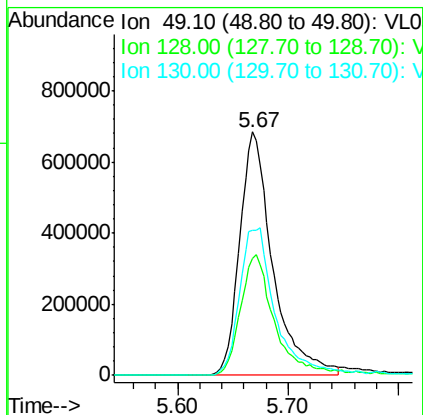
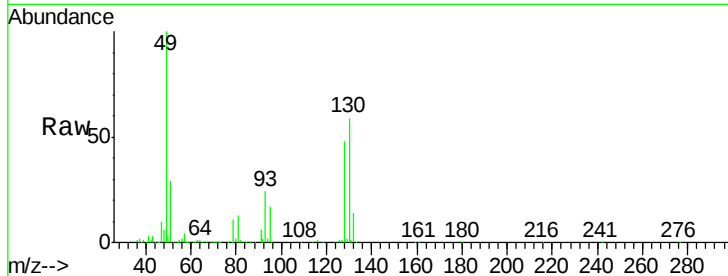
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.02 min
Lab File: VL037508.D
Acq: 19 Aug 2021 21:11

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-5DL

Tot Ion: 49 Resp: 1426622
Ion Ratio Lower Upper
49 100
128 52.4 27.5 82.4
130 67.4 34.0 101.8

Manual Integrations
APPROVED

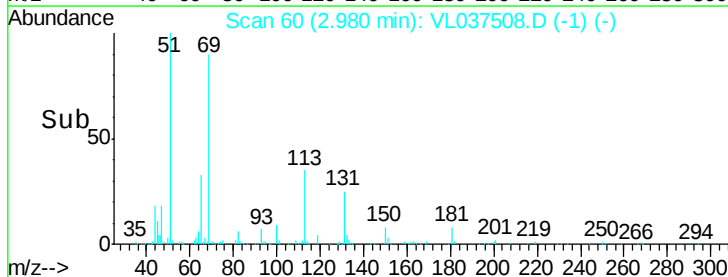
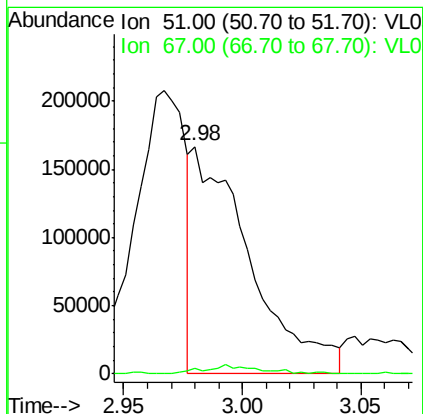
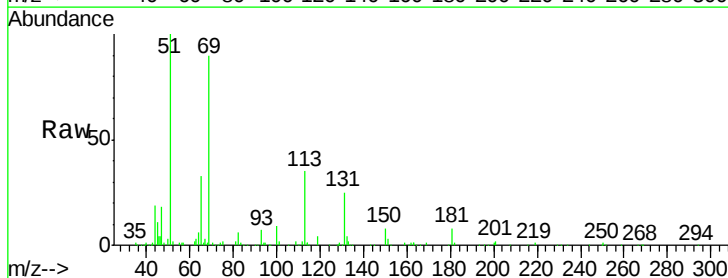
MMDadoda
8/20/2021 6:31:22 PM

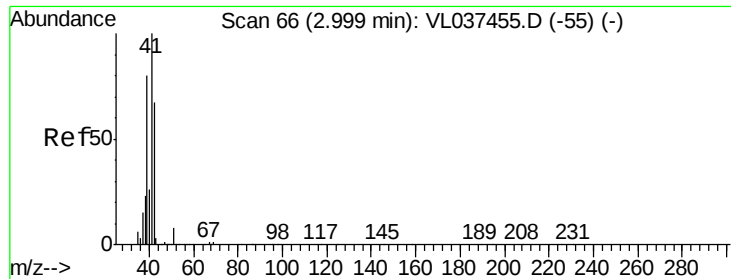


#3

Chlorodifluoromethane
Concen: 1.039 ppbv m
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037508.D
Acq: 19 Aug 2021 21:11

Tgt Ion: 51 Resp: 283747
Ion Ratio Lower Upper
51 100
67 4.2 14.2 21.2#





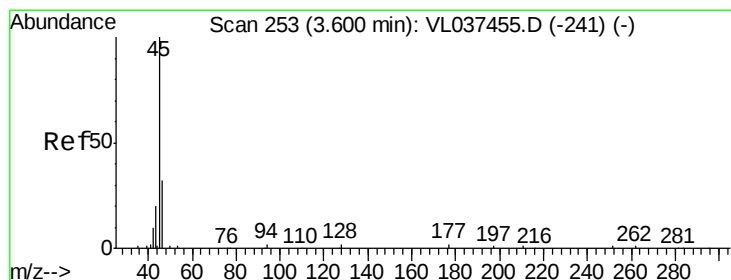
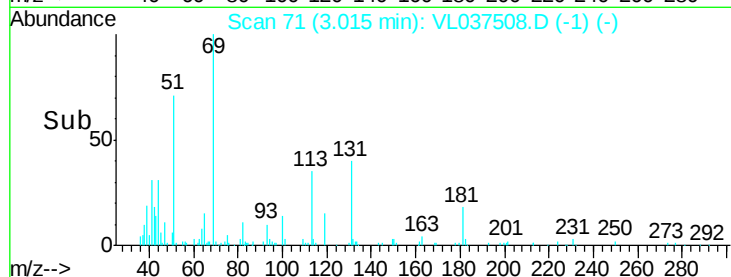
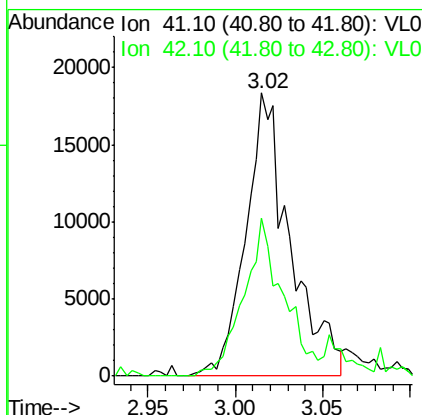
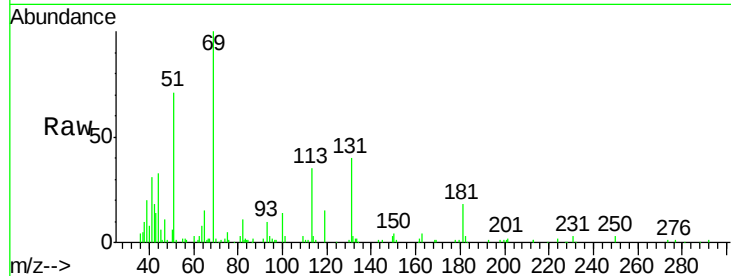
#9
 Propene
 Concen: 0.332 ppbv m
 RT: 3.02 min Scan# 71
 Delta R.T. 0.02 min
 Lab File: VL037508.D
 Acq: 19 Aug 2021 21:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-5DL

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
42	60.3	53.7	80.5	

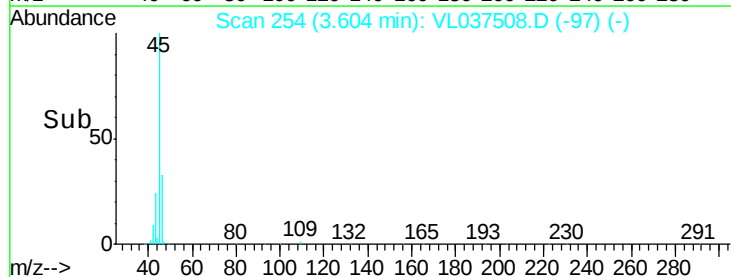
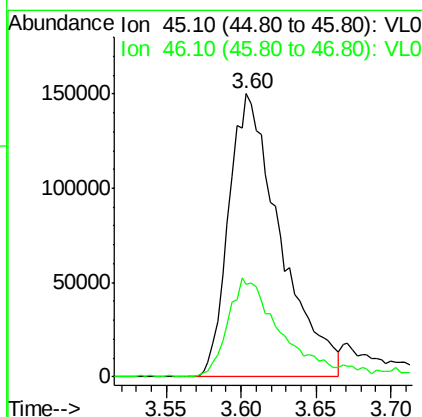
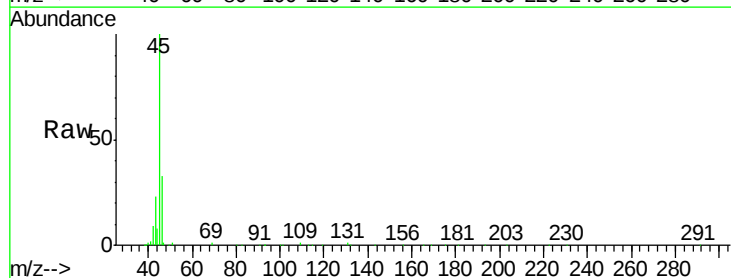
Manual Integrations
 APPROVED

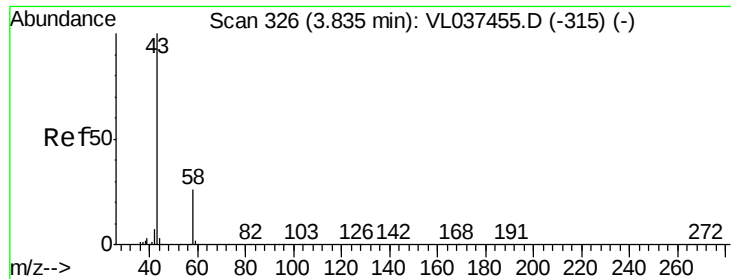
MMDadoda
 8/20/2021 6:31:22 PM



#13
 Ethanol
 Concen: 37.703 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VL037508.D
 Acq: 19 Aug 2021 21:11

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
46	39.6	14.1	56.5	





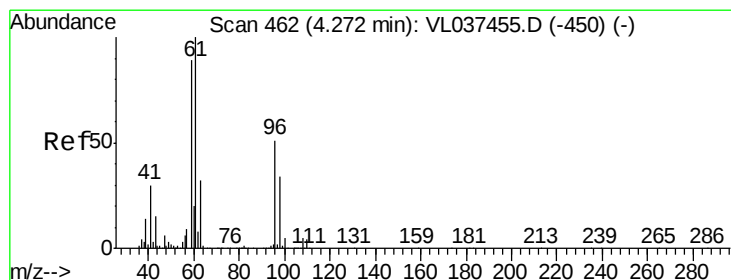
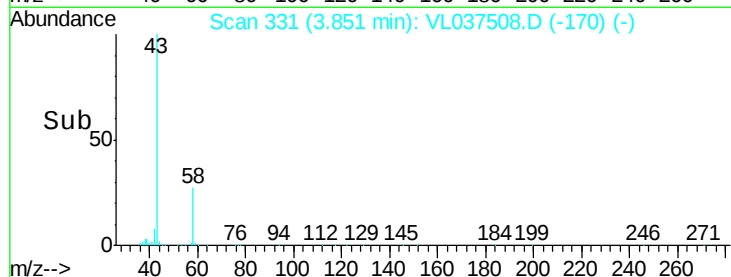
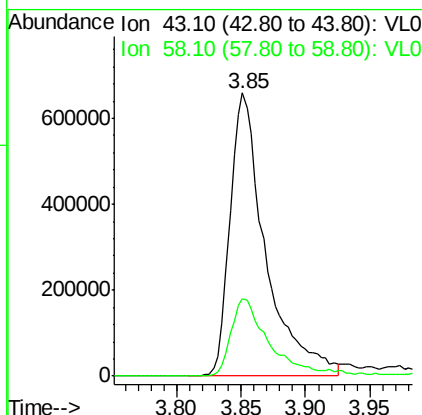
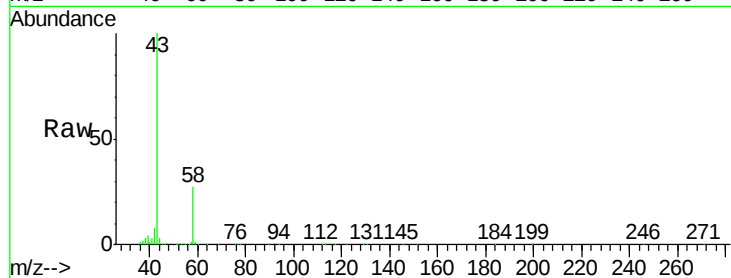
#15
Acetone
Concen: 8.684 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL037508.D
Acq: 19 Aug 2021 21:11

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-5DL

Tot Ion: 43 Resp: 1260880
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2

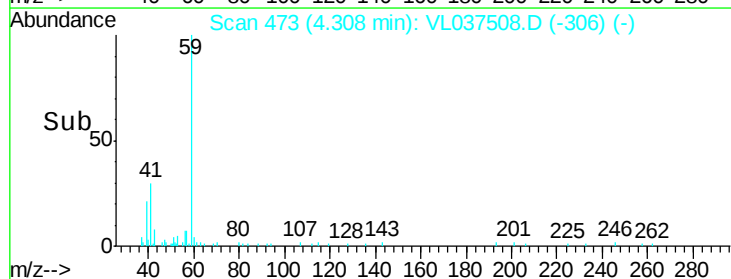
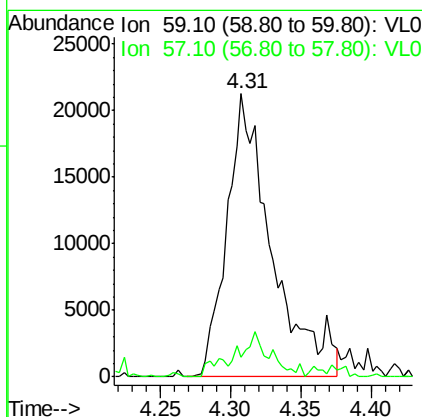
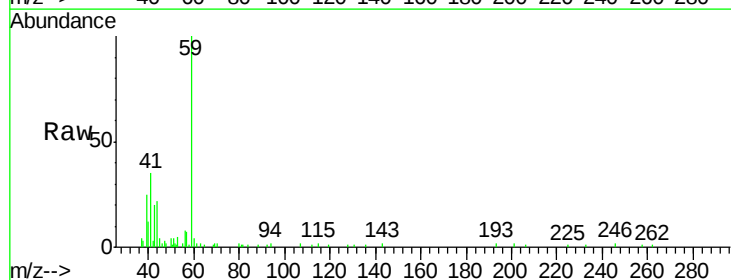
Manual Integrations
APPROVED

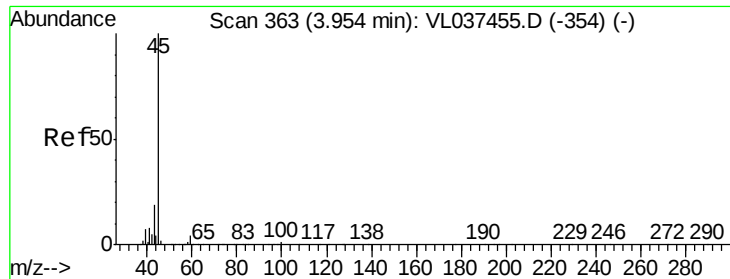
MMDadoda
8/20/2021 6:31:22 PM



#17
tert-Butyl alcohol
Concen: 0.355 ppbv m
RT: 4.31 min Scan# 473
Delta R.T. 0.04 min
Lab File: VL037508.D
Acq: 19 Aug 2021 21:11

Tgt Ion: 59 Resp: 47110
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 1.132 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037508.D

Acq: 19 Aug 2021 21:11

Instrument :

MSVOA_L

ClientSampled :

SR-SG-5DL

Tot Ion: 45 Resp: 94146

Ion Ratio Lower Upper

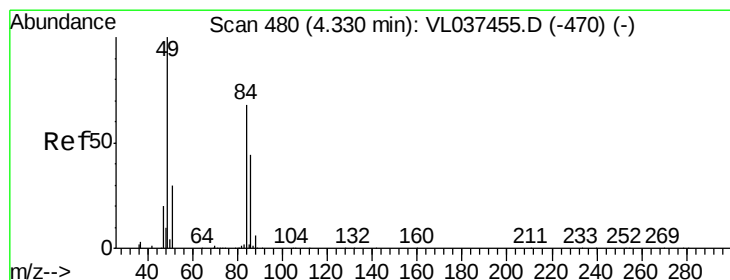
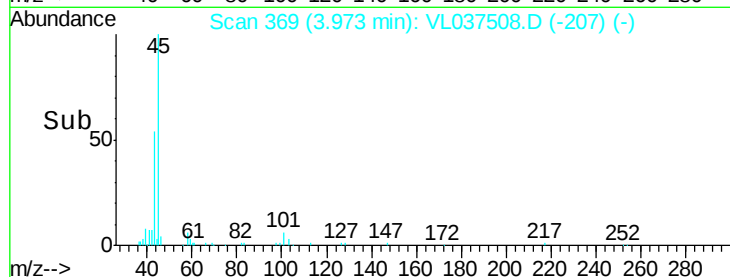
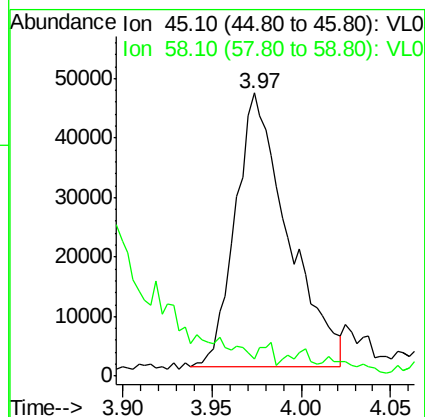
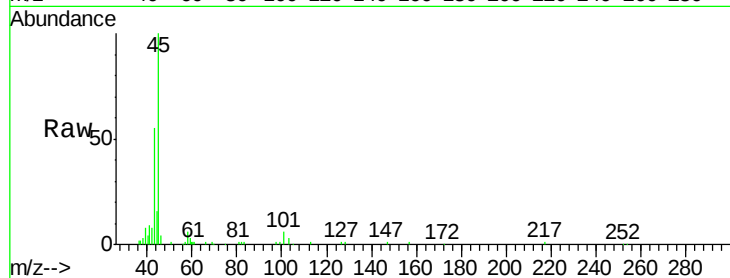
45 100

58 417.0 1.4 2.2#

Manual Integrations
APPROVED

MMDadoda

8/20/2021 6:31:22 PM



#20

Methylene Chloride

Concen: 4.695 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037508.D

Acq: 19 Aug 2021 21:11

Tgt Ion: 84 Resp: 341276

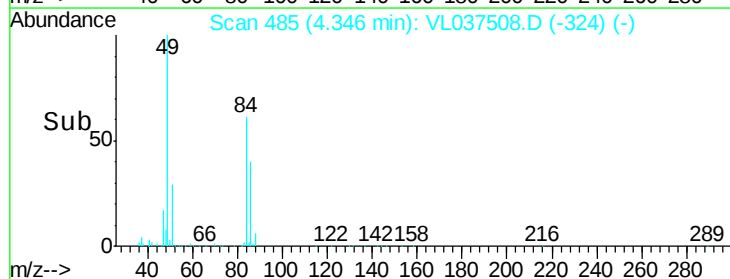
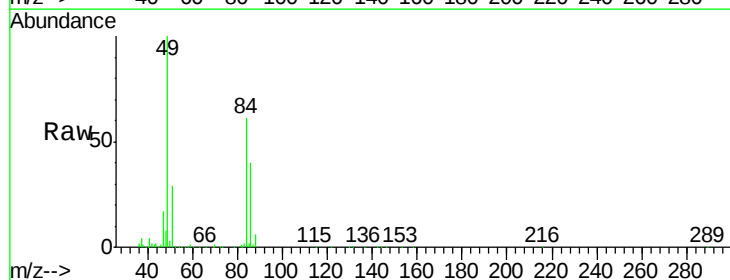
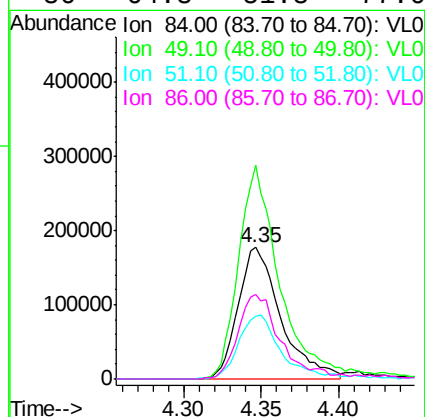
Ion Ratio Lower Upper

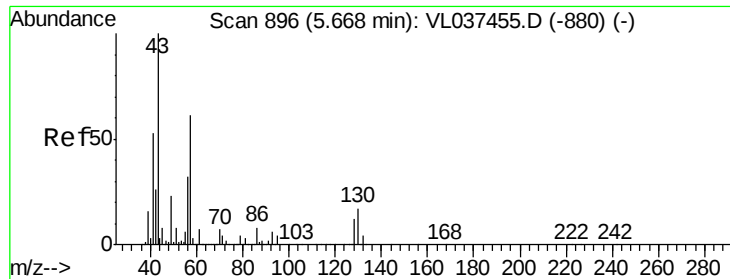
84 100

49 162.7 118.2 177.2

51 47.1 36.6 55.0

86 64.8 51.8 77.6





#26

Hexane

Concen: 1.405 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.02 min

Lab File: VL037508.D

Acq: 19 Aug 2021 21:11

Instrument :

MSVOA_L

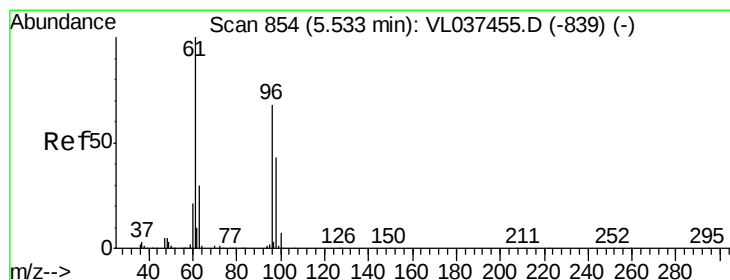
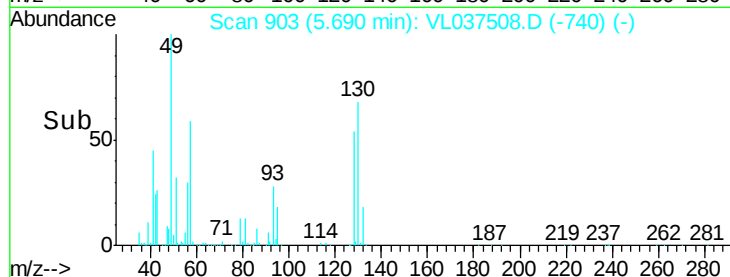
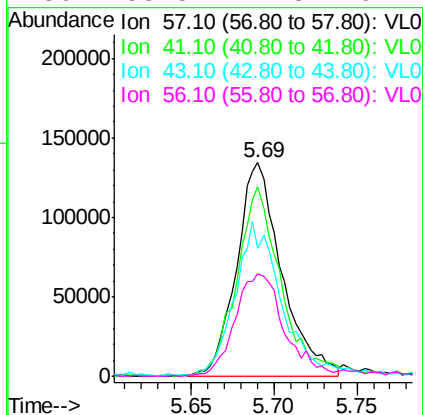
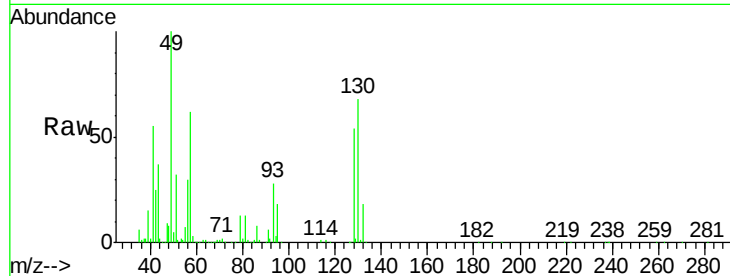
ClientSampleId :

SR-SG-5DL

Tot Ion	57	Resp	253116
Ion	Ratio	Lower	Upper
57	100		
41	88.5	72.3	108.5
43	77.0	172.3	258.5#
56	55.8	42.8	64.2

Manual Integrations
APPROVED

MMDadoda
8/20/2021 6:31:22 PM



#31

cis-1,2-Dichloroethene

Concen: 0.133 ppbv m

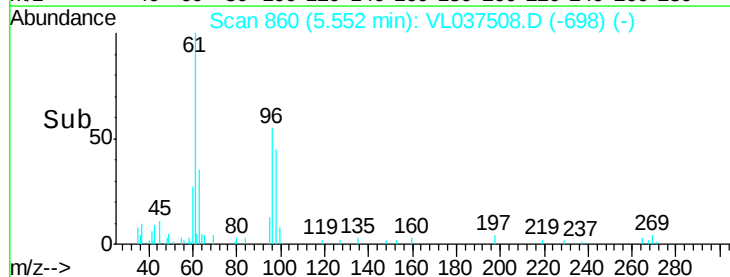
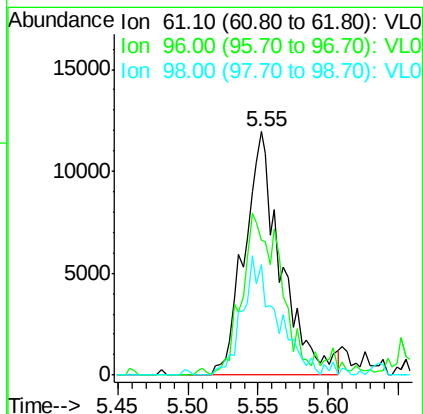
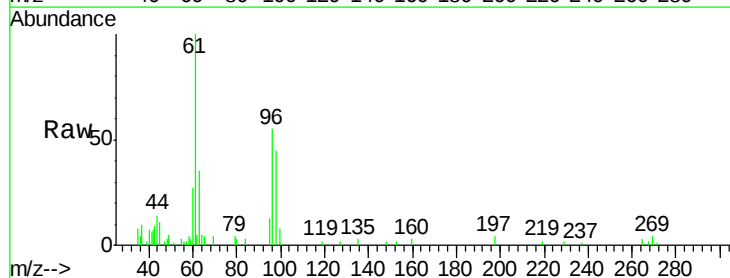
RT: 5.55 min Scan# 860

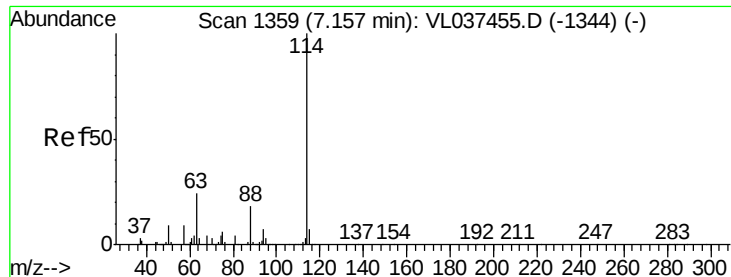
Delta R.T. 0.02 min

Lab File: VL037508.D

Acq: 19 Aug 2021 21:11

Tgt Ion	61	Resp	21699
Ion	Ratio	Lower	Upper
61	100		
96	55.2	54.8	82.2
98	45.2	34.2	51.2





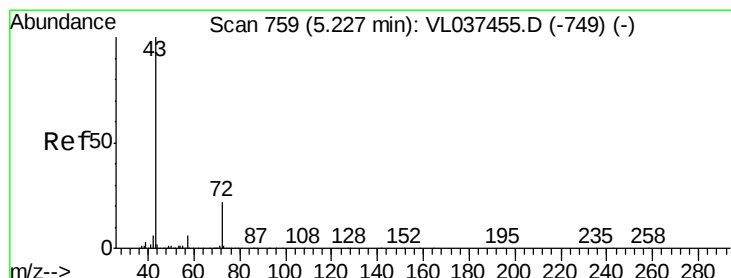
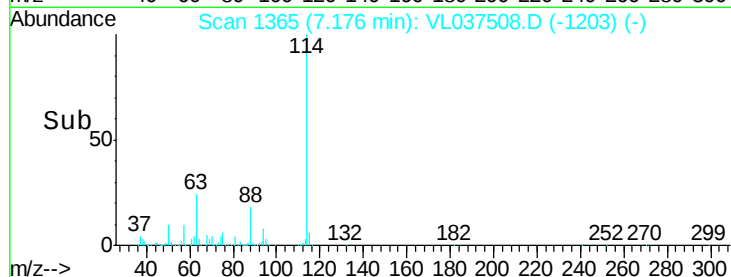
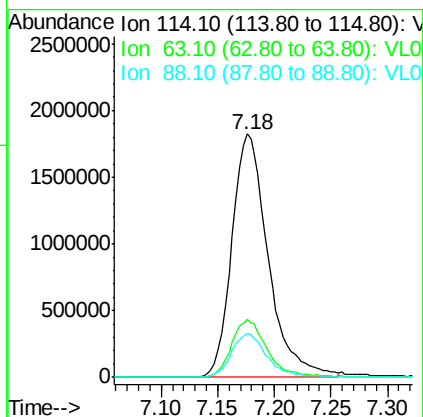
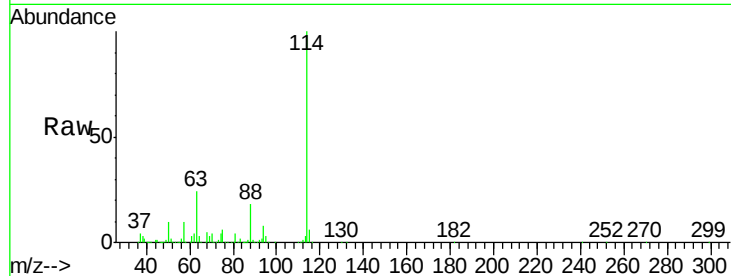
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: VL037508.D
 Acq: 19 Aug 2021 21:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-5DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.3	28.9
88	18.1	14.2	21.4

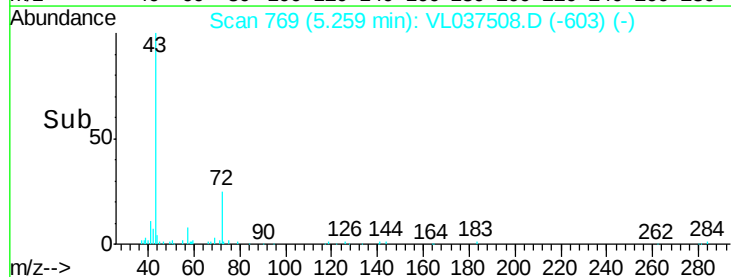
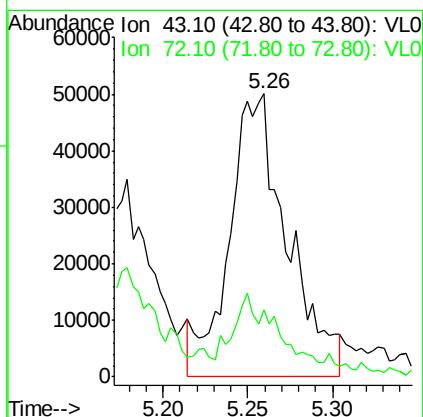
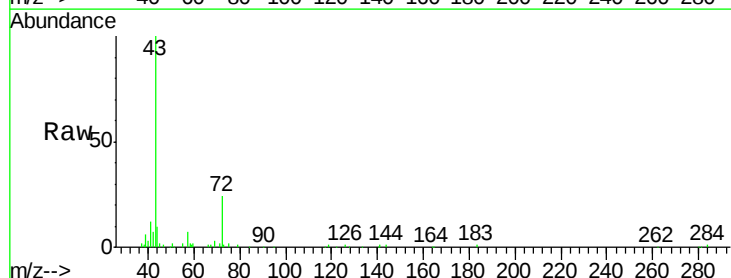
Manual Integrations
 APPROVED

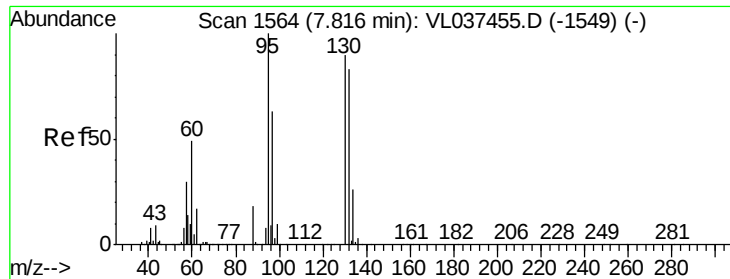
MMDadoda
 8/20/2021 6:31:22 PM



#34
 2-Butanone
 Concen: 0.711 ppbv m
 RT: 5.26 min Scan# 769
 Delta R.T. 0.03 min
 Lab File: VL037508.D
 Acq: 19 Aug 2021 21:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.4	17.4	26.0#





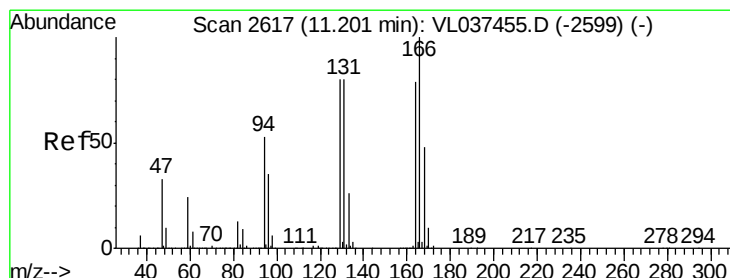
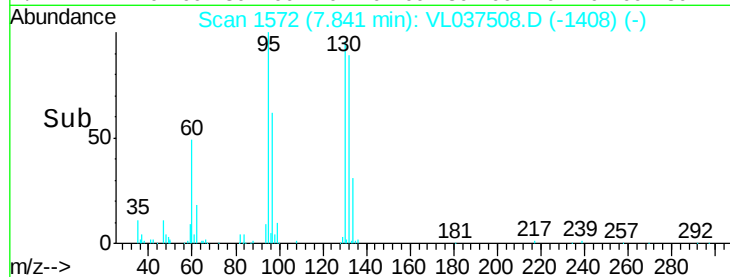
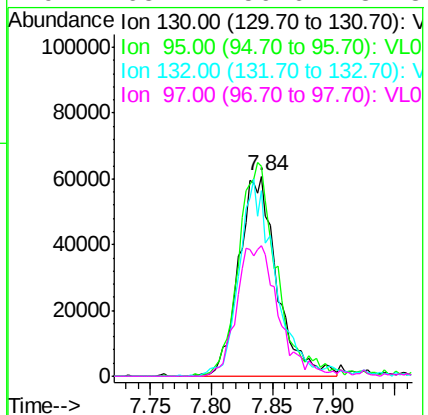
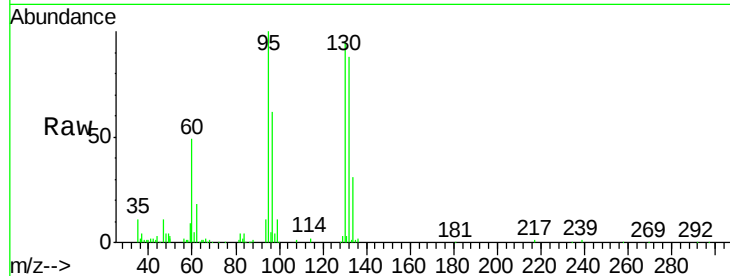
#38
 Trichloroethene
 Concen: 0.932 ppbv m
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.03 min
 Lab File: VL037508.D
 Acq: 19 Aug 2021 21:11

Instrument :
 MSVOA_L
 ClientSampleID :
 SR-SG-5DL

Tot Ion	Ratio	Resp	Lower	Upper
130	100	131055		
95	105.1	89.2	133.8	
132	92.9	74.0	111.0	
97	65.2	56.6	84.8	

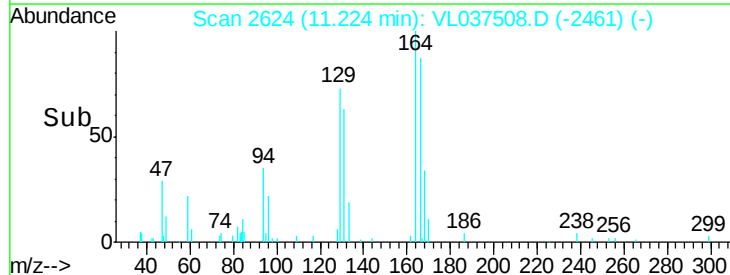
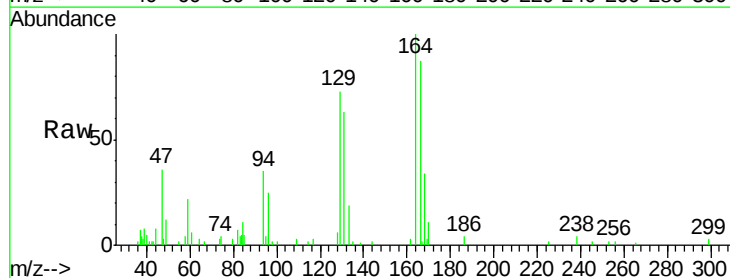
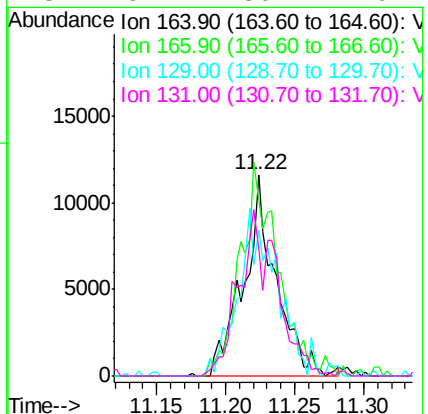
Manual Integrations
 APPROVED

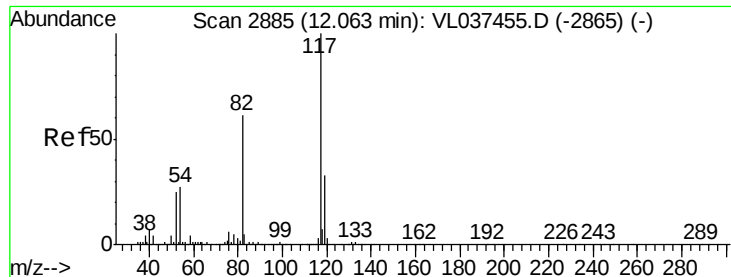
MMDadoda
 8/20/2021 6:31:22 PM



#52
 Tetrachloroethene
 Concen: 0.135 ppbv m
 RT: 11.22 min Scan# 2624
 Delta R.T. 0.02 min
 Lab File: VL037508.D
 Acq: 19 Aug 2021 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18901		
166	87.4	100.7	151.1#	
129	72.6	80.9	121.3#	
131	62.7	80.2	120.4#	





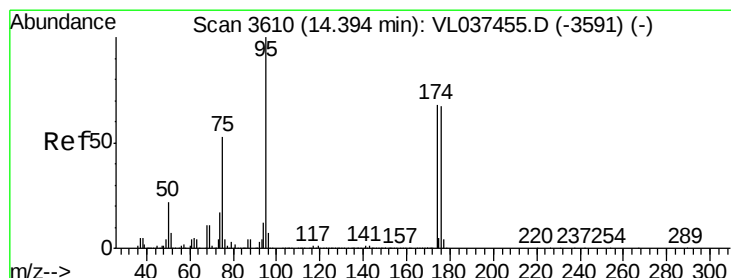
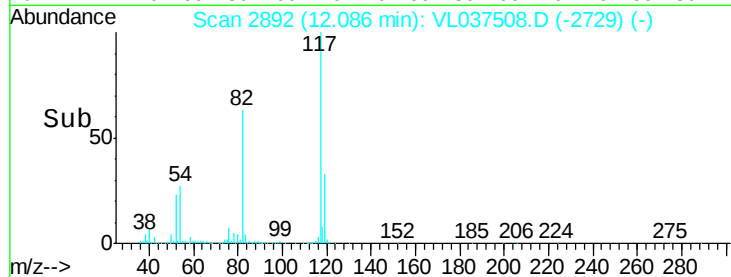
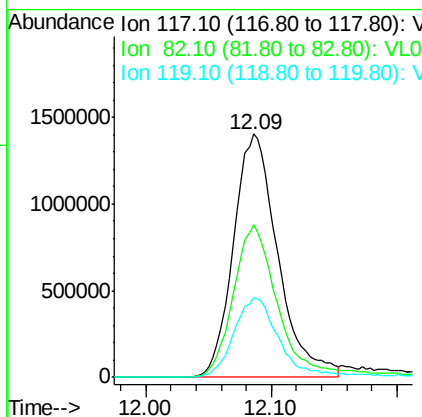
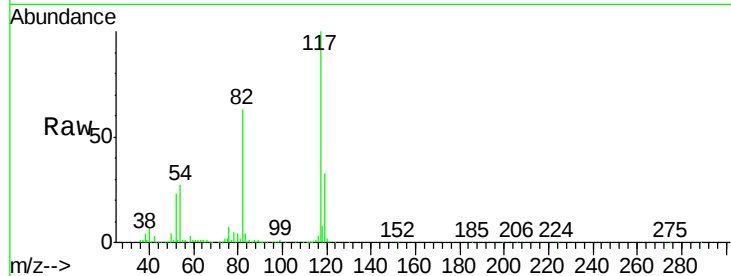
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037508.D
Acq: 19 Aug 2021 21:11

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-5DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.2	52.9	79.3
119	33.8	24.8	37.2

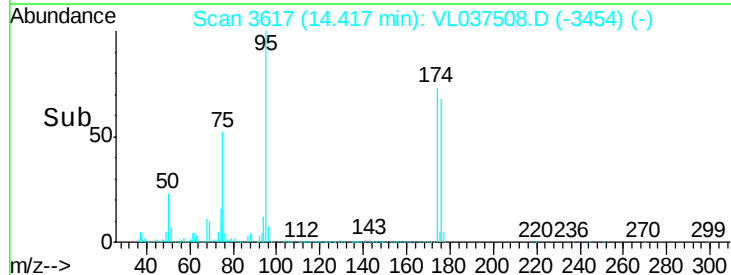
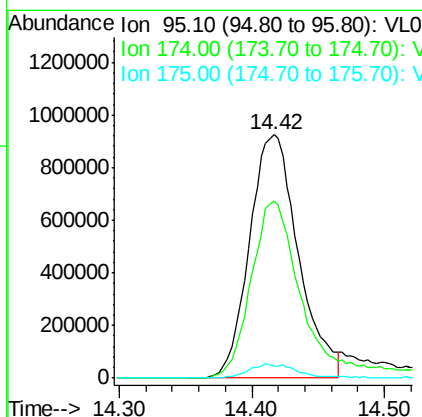
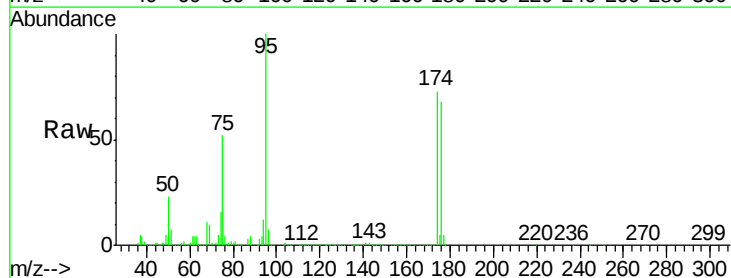
Manual Integrations
APPROVED

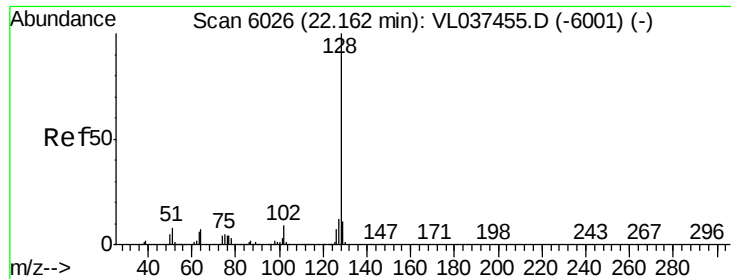
MMDadoda
8/20/2021 6:31:22 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.704 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.02 min
Lab File: VL037508.D
Acq: 19 Aug 2021 21:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.7	59.6	89.4
175	6.2	4.6	7.0





#79
Naphthalene
Concen: 0.146 ppbv m
RT: 22.20 min Scan# 6039
Delta R.T. 0.04 min
Lab File: VL037508.D
Acq: 19 Aug 2021 21:11

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-5DL

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	9.4	14.2
129	6.2	8.8	13.2#

Manual Integrations
APPROVED

MMDadoda
8/20/2021 6:31:22 PM

